Contents of Volume 42 · 2007

Abdullah MM, Xu Z, Pierce GN, Moghadasian MH: The Effects of Simultaneous Administration of Dietary Conjugated Linoleic Acid and Telmisartan on Cardiovascular Risks in Rats 855

Abe C, Uchida T, Ohta M, Ichikawa T, Yamashita K, Ikeda S: Cytochrome P450-Dependent Metabolism of Vitamin E Isoforms is a Critical Determinant of Their Tissue Concentrations in Rats 637

Abel S → Burger H-M

Adachi N → Ichi I

Adler G → Stachowska E

Adlof RO → Christie WW

Ahmad I → Ahmad MU

Ahmad MU, Krishna UM, Ali SM, Choudhury S, Ahmad I: Synthesis of 1,3- and 1,2-Diphosphatidylglycerol 291

Aho J → Mustonen A-M

Aigner B, Rathkolb B, Mohr M, Klempt M, Hrabé de Angelis M, Wolf E: Generation of ENU-Induced Mouse Mutants with Hypocholesterolemia: Novel Tools for Dissecting Plasma Lipoprotein Homeostasis 731

Aldai N → Dugan MER

Ali SM → Ahmad MU

Ando Y, Haba Y, Soma K, Hiraoka Y, Takatsu T: Rapid Preparation of Fluorescent 9-Anthrylmethyl Esters for Fatty Acid Analysis of Small Amount of Triacylglycerols 955

Andrén B → Wohlin M

Arrebola MM → González-Correa JA

Arterburn LM, Oken HA, Hoffman JP, Bailey-Hall E, Chung G, Rom D, Hamersley J, McCarthy D: Bioequivalence of Docosahexaenoic Acid from Different Algal Oils in Capsules and in a DHA-Fortified Food 1011

Asikainen J → Mustonen A-M

Athyros VG, Kakafika AI, Papageorgiou AA, Tziomalos K, Skaperdas A, Pagourelias E, Pirpasopoulou A, Karagiannis A, Mikhailidis DP, The GREACE Study Collaborative Group: Atorvastatin Decreases Triacylglycerol-Associated Risk of Vascular Events in Coronary Heart Disease Patients 999

Atshaves BP, Jefferson JR, McIntosh AL, Gallegos A, McCann BM, Landrock KK, Kier AB, Schroeder F: Effect of Sterol Carrier Protein-2 Expression on Sphingolipid Distribution in Plasma Membrane Lipid Rafts/Caveolae 871

Axelsson T → Wohlin M

Bach TJ → Parish EJ

Bailey-Hall E → Arterburn LM

Bando N → Minami Y

Banni S → Santercole V

Barbuch R → Shah Alam Bhuiyan M

Barceló-Coblijn G → Kronberg SL

Bard M → Shah Alam Bhuiyan M

Barnathan G → Kebir MVOE

Barratt G → Ménez C

Baśkiewicz-Masiuk M → Stachowska E

Basu S → Wohlin M

Bauchart D, Roy A, Lorenz S, Chardigny J-M, Ferlay A, Gruffat D, Sébédio J-L, Chilliard Y, Durand D: Butters Varying in *trans* 18:1 and *cis-*,*trans*11 Conjugated Linoleic Acid Modify Plasma Lipoproteins in the Hypercholesterolemic Rabbit 123

Beattie JR, Bell SEJ, Borggaard C, Fearon AM, Moss BW: Classification of Adipose Tissue Species using Raman Spectroscopy 679

Beermann C, Winterling N, Green A, Möbius M, Schmitt JJ, Boehm G: Comparison of the Structures of Triacylglycerols from Native and Transgenic Medium-Chain Fatty Acid-Enriched Rape Seed Oil by Liquid Chromatography–Atmospheric Pressure Chemical Ionization Ion-Trap Mass Spectrometry (LC–APCI-ITMS) 383

Beermann C, Winterling N, Green A, Möbius M, Schmitt JJ, Boehm G: Comparison of the Structures of Triacylglycerols from Native and Transgenic Medium-Chain Fatty Acid-Enriched Rape Seed Oil by Liquid Chromatography–Atmospheric Pressure Chemical Ionization Ion-Trap Mass Spectrometry (LC–APCI-ITMS) (Erratum) 401

Bell JG → Morrison DJ

Bell MV → Karapanagiotidis IT

Bell SEJ → Beattie JR

Bel-Rhlid R → Pfeffer J

Bernasconi AM → Montanaro MA

Berry SEE, Woodward R, Yeoh C, Miller GJ, Sanders TAB: Effect of Interesterification of Palmitic Acid-rich Triacylglycerol on Postprandial Lipid and Factor VII Response 315

Björkhem I: Rediscovery of Cerebrosterol 5

Blake RJ → Garg ML

Blottner S → Fuchs B

Bober J → Stachowska E

Boeglin WE → Yu Z

Boehm G → Beermann C

Borggaard C → Beattie JR

Botelho AP → Santos-Zago LF

Boutoute M → Mayzaud P

Bragagnolo N → Mazalli MR

Bragagnolo N → Saldanha T

Brash AR → Yu Z

Brenner RR → Montanaro MA

Bron JE → Morrison DJ

Burger H-M, Abel S, Snijman PW, Swanevelder S, Gelderblom WCA: Altered Lipid Parameters in Hepatic Subcellular Membrane Fractions Induced by Fumonisin B_1 249

Bursill CA, Roach PD: A Green Tea Catechin Extract Upregulates the Hepatic Low-Density Lipoprotein Receptor in Rats 621

Butovich IA, Uchiyama E, Di Pascuale MA, McCulley JP: Liquid Chromatography–Mass Spectrometric Analysis of Lipids Present in Human Meibomian Gland Secretions 765

Buyse M → Ménez C

Cahoon EB → Hunter SC

Carballeira NM, Montano N, Vicente J, Rodriguez AD: Novel Cyclopropane Fatty Acids from the Phospholipids of the Caribbean Sponge *Pseudospongosorites suberitoides* 519

Carballeira NM, Oyola D, Vicente J, Rodriguez AD: Identification of Novel α-Methoxylated Phospholipid Fatty Acids in the Caribbean Sponge *Erylus goffrilleri* 1047

Carpentier YA → Hacquebard M

Carpentier YA → LeDoux M

Ceruti S → Ghezzi S

Cha A → Hwang I

Chardigny J-M → Bauchart D

Chardigny J-M → LeDoux M

Chen GQ, Turner C, He X, Nguyen T, McKeon TA, Laudencia-Chingcuanco D: Expression Profiles of Genes Involved in Fatty Acid and Triacylglycerol Synthesis in Castor Bean (*Ricinus communis* L.) 263

Chen GQ → He X

Chen W → Tang X

Chen W → Zhao S

Chicco A → Lombardo YB

Chilliard Y → Bauchart D

Chlubek D → Stachowska E

Cho B → Hwang I

Choudhury S → Ahmad MU

Christie WW, Dobson G, Adlof RO: A Practical Guide to the Isolation, Analysis and Identification of Conjugated Linoleic Acid 1073

Chung G → Arterburn LM

Clayton EH → Garg ML

Cleland LG → James MJ

Combe N → Vaysse-Boué C

Cook-Johnson RJ → James MJ

Cooper K → Morrison DJ

Corl BA → Lengi AJ

Couto RD, Dallan LAO, Lisboa LAF, Mesquita CH, Vinagre CGC, Maranhão RC: Deposition of Free Cholesterol in the Blood Vessels of Patients with Coronary Artery Disease: a Possible Novel Mechanism for Atherogenesis 411

Craven RJ, Lencki RW: Rapid Analysis of Acylglycerols in Low Molecular Weight Milk Fat Fractions 473

Cui C-M → Zhang Y

Dabadie H → Vaysse-Boué C

Dallan LAO → Couto RD

Damude HG, Kinney AJ: Engineering Oilseed Plants for a Sustainable, Land-Based Source of Long Chain Polyunsaturated Fatty Acids 179

Dannenberger D → Shen X

De La Cruz JP → González-Correa JA

de Jong SA → Sutherland WHF

de Alaniz MJT → Marra CA

De La Cruz JP → González-Correa JA

de la Fuente MA → Luna P

de Oliveira AC → Santos-Zago LF

De Santis EPL → Santercole V

De Silva SS → Turchini GM

Deckelbaum RJ → Densupsoontorn N

Demidkova DA → Imbs AB

Densupsoontorn N, Worgall TS, Seo T, Hamai H, Deckelbaum RJ: Fatty Acid Supplied as Triglyceride Regulates SRE-Mediated Gene Expression as Efficiently as Free Fatty Acids 885

Di Pascuale MA → Butovich IA

DiRienzo MA → Harris WS

Dobson G → Christie WW

Doreau M → Jouany J-P

Ducart A → Hacquebard M

Duchateau GSMJE → Hovenkamp E

Dugan MER, Kramer JKG, Robertson WM, Meadus WJ, Aldai N, Rolland DC: Comparing Subcutaneous Adipose Tissue in Beef and Muskox with Emphasis on *trans* 18:1 and Conjugated Linoleic Acids 509

Dunstan JA → Prescott SL

Durand D → Bauchart D

Dziedziejko V → Stachowska E

Eapen AK → Harris WS

Eckstein J → Shah Alam Bhuiyan M

Egashira N → Hamada T

Elisaf M → Tsimihodimos V

Ender K → Shen X

Farinotti R → Ménez C

Farooqui AA → Rosenberger TA

Fearon AM → Beattie JR

Feng C → Zhang Y

Ferlay A → Bauchart D
Fontaine J-J → LeDoux M
Francis DS → Turchini GM
Freeman DJ → Stewart F
Freund A → Pfeffer J
Fritsche K: Important Differences Exist in the Dose–Response Relationship between Diet and Immune Cell Fatty Acids in Humans and Rodents 961
Fu M → Tian L
Fuchs B, Müller K, Göritz F, Blottner S, Schiller J: Characteristic Oxidation Products of Choline Plasmalogens are Detectable in Cattle and Roe Deer Spermatozoa by MALDI-TOF Mass Spectrometry 991

Gallegos A → Atshaves BP
Galli C → Ghezzi S
García-Peláez B, Vilà R, Remesar X: Oleoyl-Estrone Treatment to Late Pregnant and Mid-Lactating Rats Affects the Expression of Lipid Metabolism Genes 827
Garg ML, Blake RJ, Wills RBH, Clayton EH: Macadamia Nut Consumption Modulates Favourably Risk Factors for Coronary Artery Disease in Hypercholesterolemic Subjects 583
Gaydou EM → Kebir MVOE
Gazi I → Tsimihodimos V
Gebauer SK, Psota TL, Kris-Etherton PM: The Diversity of Health Effects of Individual *trans* Fatty Acid Isomers 787
Gelderblom WCA → Burger H-M
George C → Harris WS
Ghezzi S, Risé P, Ceruti S, Galli C: Effects of Cigarette Smoke on Cell Viability, Linoleic Acid Metabolism and Cholesterol Synthesis, in THP – 1 Cells 629
Gin H → Vaysse-Boué C
Glasser F → Jouany J-P
Gong H → Williams JR
González MS → Montanaro MA
González-Correa JA, Muñoz-Marín J, Arrebola MM, Guerrero A, Narbona F, López-Villodres JA, De La Cruz JP: Dietary Virgin Olive Oil Reduces Oxidative Stress and Cellular Damage in Rat Brain Slices Subjected to Hypoxia–Reoxygenation 921
Goonewardene L → Santercole V
Gorden JD → Parish EJ
Göritz F → Fuchs B
Green A → Beermann C
Greer IA → Stewart F
Griinari JM → Hasin A
Gruffat D → Bauchart D
Guerrero A → González-Correa JA
Gylling H → Nissinen MJ

Haba Y → Ando Y
Habuchi Y → Yoshida Y
Hacquebard M, Ducart A, Schmartz D, Malaisse WJ, Carpentier YA: Changes in Plasma LDL and HDL Composition in Patients Undergoing Cardiac Surgery 1143
Hamada T, Egashira N, Nishizono S, Tomoyori H, Nakagiri H, Imaizumi K, Ikeda I: Lymphatic Absorption and Deposition of Various Plant Sterols in Stroke-Prone Spontaneously Hypertensive Rats, a Strain Having a Mutation in ATP binding cassette transporter G5 241
Hamai H → Densupsoontorn N
Hamersley J → Arterburn LM
Hammervold T → Meyer BJ
Hansen C-E → Pfeffer J
Harada-Shiba M → Ichi I
Hardardottir I → Skuladottir IH
Harel O → Judge MP
Harris WS, DiRienzo MA, Sands SA, George C, Jones PG, Eapen AK: Stearidonic Acid Increases the Red Blood Cell and Heart Eicosapentaenoic Acid Content in Dogs 325
Hartmann M-A → Stiti N
Hasin A, Griinari JM, Williams JE, Shahin AM, McGuire MA, McGuire MK: Consumption of *c,t*11–18:2 or *t*10,*c*12–18:2 Enriched Dietary Supplements Does Not Influence Milk Macronutrients in Healthy, Lactating Women 835
Hayakawa M → Yoshida Y
He X, Chen GQ, Kang ST, McKeon TA: *Ricinus communis* Contains an Acyl-CoA Synthetase that Preferentially Activates Ricinoleate to Its CoA Thioester 931
He X → Chen GQ
Hein G → Lombardo YB
Heins A, McPhail DB, Sokolowski T, Stöckmann H, Schwarz K: The Location of Phenolic Antioxidants and Radicals at Interfaces Determines Their Activity 573
Heins A, Sokolowski T, Stöckmann H, Schwarz K: Investigating the Location of Propyl Gallate at Surfaces and Its Chemical Microenvironment by ^{1}H NMR 561
Hemderson RJ → Morrison DJ
Hiraoka Y → Ando Y
Hoffman JP → Arterburn LM
Horrocks LA → Rosenberger TA
Hovenkamp E, Lourbakos A, Duchateau GSMJE, Tareilus EW, Trautwein EA: Preferential Efflux of Phytosterols over Cholesterol from Macrophages 1125
Howe PRC → Meyer BJ
Hrabé de Angelis M → Aigner B
Huang LS, Kim MR, Sok D-E: Oxygenation of 1-Docosahexaenoyl Lysophosphatidylcholine by Lipoxygenases; Conjugated Hydroperoxydiene and Dihydroxytriene Derivatives 981
Hulbert AJ: Membrane Fatty Acids as Pacemakers of Animal Metabolism 811
Hunter SC, Cahoon EB: Enhancing Vitamin E in Oilseeds: Unraveling Tocopherol and Tocotrienol Biosynthesis 97
Hwang I, Cha A, Lee H, Yoon H, Yoon T, Cho B, Lee S, Park Y: n-3 Polyunsaturated Fatty Acids and Atopy in Korean Preschoolers 345

Ichi I, Takashima Y, Adachi N, Nakahara K, Kamikawa C, Harada-Shiba M, Kojo S: Effects of Dietary Cholesterol on Tissue Ceramides and Oxidation Products of Apolipoprotein B-100 in ApoE-Deficient Mice 893
Ichikawa T → Abe C
Ikeda I → Hamada T
Ikeda S → Abe C
Imai Y → Yoshida Y
Imaizumi K → Hamada T
Imbs AB, Demidkova DA, Latypov YY, Pham LQ: Application of Fatty Acids for Chemotaxonomy of Reef-Building Corals 1035
Isolauri E → Kaplas N
Itoh N → Yoshida Y

James MJ, Cook-Johnson RJ, Cleland LG: Selective COX-2 Inhibitors, Eicosanoid Synthesis and Clinical Outcomes: A Case Study of System Failure 779
Jefferson JR → Atshaves BP
Jia L → Tian L
Jiménez-Gómez Y → Pérez-Martínez P
Jones PG → Harris WS
Jouany J-P, Lassalas B, Doreau M, Glasser F: Dynamic Features of the Rumen Metabolism of Linoleic Acid, Linolenic Acid and Linseed Oil Measured in Vitro 351
Judge MP, Harel O, Lammi-Keefe CJ: A Docosahexaenoic Acid-Functional Food During Pregnancy Benefits Infant Visual Acuity at Four but not Six Months of Age 117

Kakafika AI → Athyros VG
Kamikawa C → Ichi I
Kanda T → Ogino Y
Kang ST → He X
Kaplas N, Isolauri E, Lampi A-M, Ojala T, Laitinen K: Dietary Counseling and Probiotic Supplementation During Pregnancy Modify Placental Phospholicpid Fatty Acids 865
Karagiannis A → Athyros VG
Karapanagiotidis IT, Bell MV, Little DC, Yakupitiyage A: Replacement of Dietary Fish Oils by Alpha-Linolenic Acid-Rich Oils Lowers Omega 3 Content in Tilapia Flesh 547
Kawai Y → Minami Y
Kebir MVOE, Barnathan G, Gaydou EM, Siau Y, Miralles J: Fatty Acids in Liver, Muscle and Gonad of three Tropical Rays including Non-Methylene-Interrupted Dienoic Fatty Acids 525
Kier AB → Atshaves BP
Kim E-H → Kim YH
Kim M-H → Kim YH
Kim MR → Huang LS
Kim YH, Kim E-H, Lee C, Kim M-H, Rho J-R: Two New Monogalactosyl Diacylglycerols from Brown Alga *Sargassum thunbergii* 395
Kinney AJ → Damude HG
Klempt M → Aigner B
Kojo S → Ichi I
Kostara C → Tsimihodimos V
Kramer JKG → Santercole V
Kramer JKG → Dugan MER
Kris-Etherton PM → Gebauer SK
Krishna UM → Ahmad MU
Kronberg SL, Scholljegerdes EJ, Barceló-Coblijn G, Murphy EJ: Flaxseed Treatments to Reduce Biohydrogenation of α-Linolenic Acid by Rumen Microbes in Cattle 1105

Laitinen K → Kaplas N
Laloux L → LeDoux M
Lammi-Keefe CJ → Judge MP
Lampi A-M → Kaplas N
Landrock KK → Atshaves BP
Lannfelt L → Wohlin M
Lassalas B → Jouany J-P
Latypov YY → Imbs AB
Laudencia-Chingcuanco D → Chen GQ
Layerenza JP → Maté SM
Le Ruyet P → Vaysse-Boué C
LeDoux M, Laloux L, Fontaine J-J, Carpentier YA, Chardigny J-M, Sébédio J-L: Rumenic Acid Significantly Reduces Plasma Levels of LDL and Small Dense LDL Cholesterol in Hamsters Fed a Cholesterol- and Lipid-Enriched Semi-Purified Diet 135
Lee C → Kim YH
Lee H → Hwang I
Lee S → Hwang I
Lencki RW → Craven RJ
Lengi AJ, Corl BA: Identification and Characterization of a Novel Bovine Stearoyl-CoA Desaturase Isoform with Homology to Human SCD5 499
Li D, Zhang Y, Sinclair AJ: Seasonal Variations of Lipid Content and Composition in *Perna viridis* 739
Li X-M → Zhang Y
Lind L → Wohlin M
Lisboa LAF → Couto RD
Little DC → Karapanagiotidis IT

Lombardo YB, Hein G, Chicco A: Metabolic Syndrome: Effects of n-3 PUFAs on a Model of Dyslipidemia, Insulin Resistance and Adiposity 427
Long S → Tian L
López-Miranda J → Pérez-Martínez P
López-Villodres JA → González-Correa JA
Lorenz S → Bauchart D
Lourbakos A → Hovenkamp E
Luna P, de la Fuente MA, Salvador D, Márquez-Ruiz G: Differences in Oxidation Kinetics Between Conjugated and Non-Conjugated Methyl Linoleate 1085
Luo C → Parish EJ

Ma H → Tang X
Ma H → Zhao S
Machaliński B → Stachowska E
Malaisse WJ → Hacquebard M
Manjunatha H, Srinivasan K: Hypolipidemic and Antioxidant Effects of Dietary Curcumin and Capsaicin in Induced Hypercholesterolemic Rats 1133
Manti D → Marra CA
Maranhão RC → Couto RD
Marín C → Pérez-Martínez P
Márquez-Ruiz G → Luna P
Marra CA, Nella J, Manti D, de Alaniz MJT: Lipid Metabolism in Rats is Modified by Nitric Oxide Availability Through a Ca^{++}-Dependent Mechanism 211
Marti A → Pérez-Matute P
Martínez JA → Pérez-Matute P
Masukawa Y, Tsujimura H: Highly Sensitive Determination of Diverse Ceramides in Human Hair Using Reversed-Phase High-Performance Liquid Chromatography—Electrospray Ionization Mass Spectrometry 275
Maté SM, Layerenza JP, Ves-Losada A: Incorporation of Arachidonic and Stearic Acids Bound to L-FABP into Nuclear and Endonuclear Lipids from Rat Liver Cells 589
Maurer SC → Pfeffer J
Mayzaud P, Boutoute M, Perissinotto R, Nichols P: Polar and Neutral Lipid Composition in the Pelagic Tunicate *Pyrosoma atlanticum* 647
Mazalli MR, Bragagnolo N: Validation of Two Methods for Fatty Acids Analysis in Eggs 483
Mazzette R → Santercole V
McCann BM → Atshaves BP
McCarthy D → Arterburn LM
McCulley JP → Butovich IA
McGuire MA → Mosley SA
McGuire MA → Hasin A
McGuire MA → Mosley EE
McGuire MK → Mosley SA
McGuire MK → Hasin A
McIntosh AL → Atshaves BP
McKeon TA → Chen GQ
McKeon TA → He X
McPhail DB → Heins A
Meadus WJ → Dugan MER
Mendy F → Vaysse-Boué C
Ménez C, Buyse M, Farinotti R, Barratt G: Inward Translocation of the Phospholipid Analogue Miltefosine across Caco-2 Cell Membranes Exhibits Characteristics of a Carrier-mediated Process 229
Mensink RP → Ramakers JD
Mesquita CH → Couto RD
Meyer BJ, Hammervold T, Rustan AChr, Howe PRC: Dose-Dependent Effects of Docosahexaenoic Acid Supplementation on Blood Lipids in Statin-Treated Hyperlipidaemic Subjects 109
Meyer BJ → Stewart F
Miettinen TA → Nissinen MJ
Mikhailidis DP → Athyros VG
Miller GJ → Berry SEE
Minami Y, Yokoi S, Setoyama M, Bando N, Takeda S, Kawai Y, Terao J: Combination of TLC Blotting and Gas Chromatography–Mass Spectrometry for Analysis of Peroxidized Cholesterol 1055
Miralles J → Kebir MVOE
Miyazawa D → Okuyama H
Möbius M → Beermann C
Moghadasian MH → Abdullah MM
Mohr M → Aigner B
Montanaro MA, González MS, Bernasconi AM, Brenner RR: Role of Liver X Receptor, Insulin and Peroxisome Proliferator Activated Receptor α on in Vivo Desaturase Modulation of Unsaturated Fatty Acid Biosynthesis 197
Montano N → Carballeira NM
Moreau RA → Parish EJ
Moreno JA → Pérez-Martínez P
Moreno R → Pérez-Martínez P
Moreno-Aliaga MJ → Pérez-Matute P
Mori S, Nojiri H, Yoshizuka N, Takema Y: Rapid Desensitization of Lipolysis in the Visceral and Subcutaneous Adipocytes of Rats 307
Morrison DJ, Preston T, Bron JE, Hemderson RJ, Cooper K, Strachan F, Bell JG: Authenticating Production Origin of Gilthead Sea Bream (*Sparus aurata*) by Chemical and Isotopic Fingerprinting 537
Mosley EE, McGuire MA: Methodology for the In Vivo Measurement of the Δ^9-Desaturation of Myristic, Palmitic, and Stearic Acids in Lactating Dairy Cattle 939
Mosley SA, Shahin AM, Williams J, McGuire MA, McGuire MK: Supplemental Conjugated Linoleic Acid Consumption Does Not Influence Milk Macronutrient Contents in all Healthy Lactating Women 723
Moss BW → Beattie JR
Müller K → Fuchs B
Muñoz-Marín J → González-Correa JA
Muranaka T → Suzuki M
Murphy EJ: New Publishing Arrangement Between AOCS and Springer 1
Murphy EJ → Kronberg SL
Mustonen A-M, Asikainen J, Aho J, Nieminen P: Selective Seasonal Fatty Acid Accumulation and Mobilization in the Wild Raccoon Dog (*Nyctereutes procyonoides*) 1155
Mustonen A-M → Nieminen P

Nakagawa K: Spin-Probe Investigations of Head Group Behavior in Aqueous Dispersions of a Nonionic Amphiphilic Compound 457
Nakagiri H → Hamada T
Nakahara K → Ichi I
Nakamura S → Ogino Y
Narbona F → González-Correa JA
Nella J → Marra CA
Nes WD → Parish EJ
Nes WD → Song Z
Nguyen Q, Southwell-Keely PT: Reaction of γ-Tocopherol with Hypochlorous Acid 171
Nguyen T → Chen GQ
Nichols P → Mayzaud P
Nieminen P, Mustonen A-M: Uniform Fatty Acid Mobilization from Anatomically Distinct Fat Depots in the Sable (*Martes zibellina*) 659
Nieminen P → Mustonen A-M
Niki E → Yoshida Y
Nishizono S → Hamada T
Nissinen MJ, Vuoristo M, Gylling H, Miettinen TA: Respective Hydrolysis and Esterification of Esterified and Free Plant Stanols Occur Rapidly in Human Intestine After Their Duodenal Infusion in Triacyl- or Diacylglycerol 603
Nojiri H → Mori S
Nuernberg G → Shen X
Nuernberg K → Shen X

Ogino Y, Osada K, Nakamura S, Ohta Y, Kanda T, Sugano M: Absorption of Dietary Cholesterol Oxidation Products and Their Downstream Metabolic Effects Are Reduced by Dietary Apple Polyphenols 151
Ohara N → Okuyama H
Ohta M → Abe C
Ohta Y → Ogino Y
Ojala T → Kaplas N
Oken HA → Arterburn LM
Okuyama H, Yamada K, Miyazawa D, Yasui Y, Ohara N: Dietary Lipids Impacts on Healthy Ageing 821
Ordovás JM → Pérez-Martínez P
Osada K → Ogino Y
Ostlund RE: Phytosterols, Cholesterol Absorption and Healthy Diets 41
Oyola D → Carballeira NM

Pagourelias E → Athyros VG
Pang J → Xiong Q
Paniagua JA → Pérez-Martínez P
Papageorgiou AA → Athyros VG
Parish EJ, Luo C, Webb T, Gorden JD: Syntheses of Ring C Oxysterols: Inhibitors of Sterol Biosynthesis 35
Parish EJ, Moreau RA, Bach TJ, Nes WD, Williams JR: Recent Advances in Sterol Research 3
Park Y → Hwang I
Pérez-Jiménez F → Pérez-Martínez P
Pérez-Martínez P, Pérez-Jiménez F, Ordovás JM, Moreno JA, Marín C, Moreno R, Jiménez-Gómez Y, Paniagua JA, López-Miranda J: Postprandial Lipemia is Modified by the Presence of the *APOB*-516C/T Polymorphism in a Healthy Caucasian Population 143
Pérez-Matute P, Martínez JA, Marti A, Moreno-Aliaga MJ: Linoleic Acid Decreases Leptin and Adiponectin Secretion from Primary Rat Adipocytes in the Presence of Insulin 913
Perissinotto R → Mayzaud P
Petursdottir DH → Skuladottir IH
Peuchant E → Vaysse-Boué C
Pfeffer J, Freund A, Bel-Rhlid R, Hansen C-E, Reuss M, Schmid RD, Maurer SC: Highly Efficient Enzymatic Synthesis of 2-Monoacylglycerides and Structured Lipids and their Production on a Technical Scale 947
Pham LQ → Imbs AB
Pierce GN → Abdullah MM
Pirpasopoulou A → Athyros VG
Plat J → Ramakers JD
Prescott SL, Dunstan JA: Prenatal Fatty Acid Status and Immune Development: The Pathways and the Evidence 801
Preston T → Morrison DJ
Psota TL → Gebauer SK

Ramakers JD, Mensink RP, Schaart G, Plat J: Arachidonic Acid but not Eicosapentaenoic Acid (EPA) and Oleic Acid Activates NF-κB and Elevates ICAM-1 Expression in Caco-2 Cells 687
Ramsay JE → Stewart F
Rathkolb B → Aigner B
Remesar X → García-Peláez B
Reuss M → Pfeffer J
Rho J-R → Kim YH
Risé P → Ghezzi S
Roach PD → Bursill CA
Robertson WM → Dugan MER
Rodie VA → Stewart F
Rodriguez AD → Carballeira NM

Rolland DC → Dugan MER
Rom D → Arterburn LM
Rosenberger TA, Farooqui AA, Horrocks LA: Bovine Brain Diacylglycerol Lipase: Substrate Specificity and Activation by Cyclic AMP-dependent Protein Kinase 187
Roy A → Bauchart D
Rustan AChr → Meyer BJ

Saito Y → Yoshida Y
Saldanha T, Bragagnolo N: Cholesterol Oxidation is Increased and PUFA Decreased by Frozen Storage and Grilling of Atlantic Hake Fillets (*Merluccius hubbsi*) 671
Saldanha T, Bragagnolo N: Cholesterol Oxidation is Increased and PUFA Decreased by Frozen Storage and Grilling of Atlantic Hake Fillets (*Merluccius hubbsi*) (Erratum) 777
Salvador D → Luna P
Sanders TAB → Berry SEE
Sands SA → Harris WS
Santercole V, Mazzette R, De Santis EPL, Banni S, Goonewardene L, Kramer JKG: Total Lipids of Sarda Sheep Meat that Include the Fatty Acid and Alkenyl Composition and the CLA and *trans*-18:1 Isomers 361
Santos-Zago LF, Botelho AP, de Oliveira AC: Supplementation with Commercial Mixtures of Conjugated Linoleic Acid in Association with Vitamin E and the Process of Lipid Autoxidation in Rats 845
Sawai Y → Yoshida Y
Schaart G → Ramakers JD
Schiller J → Fuchs B
Schmartz D → Hacquebard M
Schmid RD → Pfeffer J
Schmitt JJ → Beermann C
Schneider C → Yu Z
Scholljegerdes EJ → Kronberg SL
Schroeder F → Atshaves BP
Schwarz K → Heins A
Scollan N → Shen X
Sébédio J-L → Bauchart D
Sébédio J-L → LeDoux M
Seo T → Densupsoontorn N
Setoyama M → Minami Y
Shah Alam Bhuiyan M, Eckstein J, Barbuch R, Bard M: Synthetically Lethal Interactions Involving Loss of the Yeast *ERG24*: The Sterol C-14 Reductase Gene 69
Shahin AM → Mosley SA
Shahin AM → Hasin A
Shen X, Nuernberg K, Nuernberg G, Zhao R, Scollan N, Ender K, Dannenberger D: Vaccenic Acid and *cis*-9,*trans*-11 CLA in the Rumen and Different Tissues of Pasture- and Concentrate-Fed Beef Cattle 1093
Siau Y → Kebir MVOE
Sinclair AJ → Li D
Skaperdas A → Athyros VG
Skuladottir IH, Petursdottir DH, Hardardottir I: The Effects of Omega-3 Polyunsaturated Fatty Acids on TNF-α and IL-10 Secretion by Murine Peritoneal Cells In Vitro 699
Snijman PW → Burger H-M
Sok D-E → Huang LS
Sokolowski T → Heins A
Soma K → Ando Y
Song Z, Nes WD: Sterol Biosynthesis Inhibitors: Potential for Transition State Analogs and Mechanism-Based Inactivators Targeted at Sterol Methyltransferase 15
Southwell-Keely PT → Nguyen Q
Srinivasan K → Manjunatha H
Stachowska E, Baśkiewicz-Masiuk M, Dziedziejko V, Adler G, Bober J, Machaliński B, Chlubek D: Conjugated Linoleic Acids Can Change Phagocytosis of Human Monocytes/Macrophages by Reduction in Cox-2 Expression 707
Stewart F, Rodie VA, Ramsay JE, Greer IA, Freeman DJ, Meyer BJ: Longitudinal Assessment of Erythrocyte Fatty Acid Composition Throughout Pregnancy and Post Partum 335
Stiti N, Triki S, Hartmann M-A: Formation of Triterpenoids throughout *Olea europaea* Fruit Ontogeny 55
Stöckmann H → Heins A
Strachan F → Morrison DJ
Sugano M → Ogino Y
Sun X, Zemel MB: Leucine and Calcium Regulate Fat Metabolism and Energy Partitioning in Murine Adipocytes and Muscle Cells 297
Sundström J → Wohlin M
Sutherland WHF, de Jong SA, Walker RJ: Effect of Dietary Cholesterol and Fat on Cell Cholesterol Transfer to Postprandial Plasma in Hyperlipidemic Men 901
Suzuki M, Muranaka T: Molecular Genetics of Plant Sterol Backbone Synthesis 47
Swanevelder S → Burger H-M
Sylvester PW → Wali VB
Syvänen AC → Wohlin M

Takashima Y → Ichi I
Takatsu T → Ando Y
Takeda S → Minami Y
Takema Y → Mori S
Tang X, Ma H, Zou S, Chen W: Effects of Dehydroepiandrosterone (DHEA) on Hepatic Lipid Metabolism Parameters and Lipogenic Gene mRNA Expression in Broiler Chickens 1025
Tareilus EW → Hovenkamp E
Terao J → Minami Y
Tian H → Tian L
Tian L, Fu M, Jia L, Xu Y, Long S, Tian H, Tian Y: Relationship Between Apolipoprotein Concentrations and HDL Subclasses Distribution 419
Tian Y → Tian L
Tomoyori H → Hamada T
Trautwein EA → Hovenkamp E
Triki S → Stiti N
Tselepis AD → Tsimihodimos V
Tsimihodimos V, Gazi I, Kostara C, Tselepis AD, Elisaf M: Plasma Lipoproteins and Triacylglycerol are Predictors of Small, Dense LDL Particles 403
Tsujimura H → Masukawa Y
Tsuzuki W, Yunoki R, Yoshimura H: Intestinal Epithelial Cells Absorb γ-Tocotrienol Faster than α-Tocopherol 163
Tsuzuki W: Absorption Properties of Micellar Lipid Metabolites into Caco2 Cells 613
Turchini GM, Francis DS, De Silva SS: A Whole Body, In Vivo, Fatty Acid Balance Method to Quantify PUFA Metabolism (Desaturation, Elongation and Beta-oxidation) 1065
Turner C → Chen GQ
Tziomalos K → Athyros VG

Uchida T → Abe C
Uchiyama E → Butovich IA

Vaysse-Boué C, Dabadie H, Peuchant E, Ruyet P, Mendy F, Gin H, Combe N: Moderate Dietary Intake of Myristic and Alpha-Linolenic Acids Increases Lecithin-Cholesterol Acyltransferase Activity in Humans 717
Ves-Losada A → Maté SM
Vicente J → Carballeira NM
Vilà R → García-Peláez B
Vinagre CGC → Couto RD
Vuoristo M → Nissinen MJ

Wali VB, Sylvester PW: Synergistic Antiproliferative Effects of γ-Tocotrienol and Statin Treatment on Mammary Tumor Cells 1113
Walker RJ → Sutherland WHF
Wang B-G → Zhang Y
Wang S → Zhang Y
Webb T → Parish EJ
Williams J → Mosley SA
Williams JE → Hasin A
Williams JR, Gong H: Biological Activities and Syntheses of Steroidal Saponins: the Shark-Repelling Pavoninins 77
Williams JR → Parish EJ
Wills RBH → Garg ML
Wilson WK → Xiong Q
Winterling N → Beermann C
Wohlin M, Sundström J, Lannfelt L, Axelsson T, Syvänen AC, Andrén B, Basu S, Lind L: Apolipoprotein E ε4 Genotype is Independently Associated with Increased Intima-Media Thickness in a Recessive Pattern 451
Wolf E → Aigner B
Woodward R → Berry SEE
Worgall TS → Densupsoontorn N

Xiong Q, Wilson WK, Pang J: The Liebermann—Burchard Reaction: Sulfonation, Desaturation, and Rearrangment of Cholesterol in Acid 87
Xu Y → Tian L
Xu Z → Abdullah MM

Yakupitiyage A → Karapanagiotidis IT
Yamada K → Okuyama H
Yamashita K → Abe C
Yasui Y → Okuyama H
Yeoh C → Berry SEE
Yokoi S → Minami Y
Yoon H → Hwang I
Yoon T → Hwang I
Yoshida Y, Hayakawa M, Habuchi Y, Itoh N, Niki E: Evaluation of Lipophilic Antioxidant Efficacy in Vivo by the Biomarkers Hydroxyoctadecadienoic Acid and Isoprostane 463
Yoshida Y, Saito Y, Hayakawa M, Habuchi Y, Imai Y, Sawai Y, Niki E: Levels of Lipid Peroxidation in Human Plasma and Erythrocytes: Comparison between Fatty Acids and Cholesterol 439
Yoshimura H → Tsuzuki W
Yoshizuka N → Mori S
Yu Z, Schneider C, Boeglin WE, Brash AR: Epidermal Lipoxygenase Products of the Hepoxilin Pathway Selectively Activate the Nuclear Receptor PPARα 491
Yunoki R → Tsuzuki W

Zemel MB → Sun X
Zhang Y, Wang S, Li X-M, Cui C-M, Feng C, Wang B-G: New Sphingolipids with a Previously Unreported 9-Methyl-C_{20}-sphingosine Moiety from a Marine Algous Endophytic Fungus *Aspergillus niger* EN-13 759
Zhang Y → Li D
Zhao R → Shen X
Zhao S, Ma H, Zou S, Chen W: Effects of In Ovo Administration of DHEA on Lipid Metabolism and Hepatic Lipogenetic Genes Expression in Broiler Chickens During Embryonic Development 749
Zhukova NV: Lipid Classes and Fatty Acid Composition of the Tropical Nudibranch Mollusks *Chromodoris* sp. and *Phyllidia coelestis* 1169
Zou S → Tang X
Zou S → Zhao S

Subject Index Volume 42 · 2007

ABC transporter 1125
ABCG5 241
ABCG8 241
Absorption 163, 241, 613
Activation energy 457
Acute phase response 1143
Acyl-CoA synthetase 931
β adrenergic receptors 307
Adipocytes 913
Adiponectin 297, 913
Adipose 679
Aglycone 77
Akt 113
Algal DHA oil 1011
Allergy prevention 801
Alpha-linolenic acid 717
Alpha-tocopherol 143
Amphiphilic compound 457
9-Anthrylmethyl ester 955
Angiotensin II receptor blocker 855
Antigen presenting cells 801
Anti-nutritional factor 821
Antioxidant activity 61, 573
Antioxidant enzymes 133
Antioxidant molecules 133
Antioxidant 439, 463
Antioxidants 97, 171
APOB polymorphism 143
Apolipoprotein AI 403
Apolipoprotein B 403
Apolipoprotein B-100 893
Apolipoprotein E 451
Apolipoproteins 419
Apple 151
2-arachidonoyl-*sn*-glycerol 187
Arabidopsis 47
Arachidonic acid 589, 1011
Arteriosclerosis 419
Aspergillus niger 759
Asperamide A 759
Asperamide B 759
Atherosclerosis 1125
Atopy 345
Autoxidation 1085

Beef 509, 1093
Bioequivalence 1011
Biohydrogenation 351, 1105
Biological activities 77
Blood 1093
BO-653 463
Bovine 1105
Brain 187, 921
Brassicasterol 241
Breast cancer 1113
Breastfeeding 723
Brij 561, 573
Broiler 749
Broilers 1025
Butter 123

C18:1 *trans* fatty acids 787
C18:2 *trans* fatty acids 787
Caco2 cell 613
Caco2 cells 163
Caco-2 cells 687
Caco-2 229
Calcitriol 297
Calcium 211, 297
Campestanol 603
Campesterol 241
Canola 821
Capsaicin 1133
Carcinogenesis 821
Cardiac surgery 1143
Cardiolipin isomer 291
Cardiolipin 291
Cardiopulmonary bypass 1143
Cardiovascular disease 787, 855
Carotid 451
Cell nuclei 589
Cellular membrane incorporation 229
Ceramide 275, 893
Chromodoris 1169
Chemotaxonomy 1035
Children 345
Chinese mussel (*Perna viridis*) 739
Chlorinated dimers 171
Cholesterol absorption 621
Cholesterol hydroperoxide 1055
Cholesterol oxidation products 151
Cholesterol oxides 671
Cholesterol synthesis 621
Cholesterol 123, 135, 249, 603, 629, 671, 731, 893
Cholesteryl esters 411
Chromatography 395
Chylomicron composition 315
Cigarette smoke 629
CLA 835, 1093
Classification 679
Colpomenia sinuosa 759
Coenzyme Q 463
Coenzyme Q_{10} 439
Collision-induced dissociation (CID) 395
Colorimetric test 87
Combination therapy 109
Complementation test 931
Conjugated linoleic acid (CLA) 1085
Conjugated linoleic acid 123, 135, 499, 509, 707, 723, 787, 835, 855
Cord blood 801
Coronary artery disease 411
Coronary heart disease 999
COX-2 779
Crystallographic 35
CTAB 561, 573
Curcumin 1133
Cyanobacteria 519
Cycloartenol 47
Cyclopropane 519
Cytochrome P450 637
c9,t11–18:2 835

Dairy fat 901
Δ6 desaturase 151
De novo triglyceride synthesis 885
Dehydroepiandrosterone (DHEA) 1025
Δ9, Δ6 and Δ5 desaturases 197
Desaturase 1065
Determination 275
DHA 525
DHEA 749
Diabetes mellitus type 1 197
Diabetes 855
Diacylglycerol 473
Diacylglycerols 187
Diagenesis 87
Diet 865
Dietary cholesterol 901
Dietary supplement 723
Digesta 1093
Dimethyl disulfide derivatives 1047
Diphosphatidylglycerol 291
6,14-Docosadienoic acid 525
Docosahexaenoic acid 109, 117, 325, 345
Docosahexaenoyl-lysoPC 981
Docosapentaenoic acid 325
Dogs 325
DPAn-6 1011
Dyslipidemia 427

Ectothermy 811
Efflux 1125
Eggs 483
Eicosanoids 779
Eicosapentaenoic acid 325, 345
Elaidic acid 787
Electrophiles 171
Elongase 1065
eLOX3 491
Emulsifier 561, 573
Emulsions 411
Endonuclear lipids 589
Endophytic fungus 759
Endothermy 811
EPA 525
Epidermis 491
Epoxide 35
Epoxyalcohol 491
EPR 457
Erylus goffrilleri 1047
ESR 573
Ester conjugates 55
Ethics 779
Ethylnitrosourea 731
Expression profile 499

FAME 679
Farnesyl diphosphate synthase 47
Fast atom bombardment (FAB) 395
Fasting 659
Fat 679, 821
Fatty acid compositions 537
Fatty acid incorporation 589
Fatty acid metabolism 961
Fatty acid molecular structure 1155
Fatty acid 263, 335, 679, 739, 801, 821, 855, 955
Fatty acids 249, 483, 519, 525, 659, 671, 1035, 1065, 1169
Fenofibrate 197
Fish oil 955
Fishes 525
Flesh oil $\Delta^{13}C$ 537
Flesh oil $\Delta^{18}O$ 537
Fortified foods 1011
Free cholesterol 411
Fumonisin B_1 249
Functional food 117

Gallates 573
Gas chromatography–mass spectrometry 1055
Gas chromatography 473, 679
GC 483
Gene expression 827
Gene knockout 47
Gene transcription 263
Genomic organization 499
Genotype 451
GLC 1085
Glucose metabolism 913
Glycerol choline fraction $\Delta^{15}N$ 537
Glycoside 77
Glycosphingolipid 759
Green tea 621

Hamster 135
HDL 731, 1143
Heat treatment 671
Hepatic lipid metabolism 1025
Hepatocarcinogenesis 249
Hepoxilin 491
HETE 491
Heteronuclear multiple bond coherence (HMBC) 395
Hexadecylphosphocholine 229
High sensitivity 275
HMG-CoA reductase 47
HPLC 765, 955, 1085
Human desaturases 629
Human hair 275
Human meibomian gland 765
Human milk 723
Human study 717
Human 835
Hydrogenation 787
Hypercholesterolemia 583
Hyperlipidaemia 109, 901
Hypochlorous acid 171
17(*S*)-hydroperoxydocosahexaenoyl-lysoPC 981

Ichthyosis 491
IL-10 699
Immune function 801
Infant visual development 117
Influx 1125
Insulin resistance 427, 913
Insulin 315, 913
Interfaces 573
Intestinal absorption 229, 603
Intestinal inflammation 687
Intima-media 451
Ion trap 383
8-Isoprostane 583
Isolated adipocytes 307
Isoprenoid 47
Isoprostanes 463
Isotope ratio mass spectrometry (IRMS) 537

JNK 1113

Ketoconazole 637

Lactation 723, 835
Lanosterol 47
Late pregnancy 827
Lathosterol 621
LCAT activity 717
LC-MS/MS 893
LCPUFA 1011
LDL metabolism 411
LDL particle diameter 403
LDL receptor 621
LDL subfractions 403
LDL 135, 731, 1143
Leptin 913
Leucine 297
Leukocyte lipoxygenase 981
Leukotrienes 583
L-FABP 589
α-Linolenic acid 547
Linoleic acid 351, 629, 885, 913
Linolenic acid 351
Linseed oil 351, 547
Linseed 1105

Lipase activity 315
Lipase 187, 947
Lipid analysis 1085
Lipid content 739
Lipid metabolism 151, 211, 749, 1065
Lipid metabolites 613
Lipid oxidation 991
Lipid peroxidation 1055
Lipid profile 1133
Lipid 679
Lipids and atherosclerosis 411
Lipids 765, 1143, 1169
Lipogenic genes 1025
Lipolysis 307
Lipoprotein kinetics 411
Lipoproteins 123, 135, 411, 419
Lipoxygenase 491
Liquid chromatography 383
Liver X receptor 197
Liver 749
Longevity 821
12*R*-LOX 491

Martes zibellina 659
Macadamia nuts 583
Macrophages 699
MALDI-TOF MS 991
MAPK 1113
Marine alga 759
Mass spectrometry 87, 383, 765
α-methoxylated fatty acids 47
Metabolic engineering 97
Metabolic rate 811
Metabolic syndrome 427, 855, 999
Metabolism, n-3 fatty acids 961
Micellar solubility 603
Microsomes 249
Mid-lactation 827
Milk fat 473, 723, 835
Miltefosine 229
Miniplant technology 947
Minor lipids 473
Mitochondria 249, 811
Mixed micelle 613
2-Monoacylglycerides 947
Mollusk 1169
Monocytes/macrophages 707
Monogalactosyl diacylglycerols (MGDGs) 395
Monosaccharide 77
Monounsaturated fatty acids 583
mRNA 749
Muscle 1093
Muskox 509
Myristic acid 717

n-3 Fatty acid 1105
n-3 fatty acids 345
n-3 PUFA 801
n-3 PUFAs 427
Na^+, K^+-ATPase 811
Nanoparticles 411
Neonate 801
NF-κB 707
Nitric oxide 211, 921
NMR 87
Non-methylene-interrupted dienoic fatty acids 525
Non-methylene-interrupted fatty acid 1169
Non-steroidal triterpenoids 55
Nuclear matrix 589
Nuclei 249
Nudibranchia 1169
Nutrigenetics 143
Nutrition, immunology 961

Obesity 335, 855, 913
Oil 679, 821
Oilseed 97
Olea europaea 55
Oleanane triterpenoids 55
Oleoyl-estrone 827
Olive fruit development 55
Olive oil 921
Omega-3 fatty acids 325, 699
Omega-3 polyunsaturated fatty acids 109
OPO 947
Oreochromis niloticus 547
OSW-1 77
Oxidation 171, 893, 1065
Oxidative stress 211, 439, 583, 921, 1143
Oxidized LDL 1125
Oxidosqualene cyclase 47
Oxygenation 981
Oxysterol 35, 1055

p38 1113
Palisade layer 561
Palm oil 315
Particle size 1143
Pasture 1093
Pavoninin 77
Perilla 821
Peroxisome proliferator activated receptor α 197
Peroxisome proliferator-activated receptor α 855
Peroxisome proliferator-activatedreceptor (PPAR) 687
Phyllidia coelestis 1169
Phagocytosis 707
Phenotype-driven screen 731
Phosphatidylcholine 739
Phosphatidylethanolamine 739
Phosphitylation 291
Phospholipids 249, 519, 1047, 1169
Phosphonium salt methodology 291
Phosphorylation 187
Photosensitized oxidation 1055
Physiological intakes 717
Physiology, arachidonic acid 961
Phytosterol 47, 1125
Phytosterols 603, 621
Pseudospongosorites suberitoides 519
Placenta 865
Plant sterol 241, 1125
Plasma lipid profile 717
Plasma lipids 419
Plasma membrane 249
Plasmalogen 991
Platelets 921
(ω-3) Polyunsaturated fatty acid 395
Polyphenol 151
Polyunsaturated fat 901
Polyunsaturated fatty acids (PUFA) 947
Polyunsaturated fatty acids 351, 525, 547, 629, 739, 865
Post source decay 991
Postprandial lipemia 143, 315, 901
PPAR 491
Pregnancy 117, 335
Principal components analysis 537
Probiotics 865
Procyanidin 151
Product authentication 537
Propyl gallate 561
Prostacyclin 583
Prostaglandin E_2 707
Prostaglandins 687
Protection 1105
Protein kinase A 187
Protein kinase C 187
Pyrrolidides 519

Rabbit 123
Raman spectroscopy 679
Rapid desensitization 307
Rat liver 211
Rat 151
Rats 637
Rays 525
Real-time PCR 931
Rearrangement 87
Reef-building corals 1035
Regiospecificity 395
Reverse cholesterol transport 901
Reversed-phasehigh-performance liquid chromatography–electrospray ionization mass spectrometry 275
Ricinus communis 263, 931
Ricinoleate 263
Rofecoxib 779
Rotational diffusion coefficients 457
Rumen 351, 1093
Ruminant fat 787
Ruminants 499

Saccharomyces cerevisiae 931
Sargassum thunbergii 395
Sable 659
Saponin 77
Saturated fatty acids 509
SDS 561
SDS 573
Sea bream 537
Sea slugs 1169
Seed development 263
Selected ion monitoring 275, 1055
Selective incorporation of fatty acids 1155
Selective mobilization of fatty acids 1155
Short-path distillation 473
Simultaneous 275
Singlet molecular oxygen 1055
Sitostanol 241, 603
Sitosterol 241
sn position 383
sn-2 position 717
Solubilization 561, 573
Soybean lipoxygenase-1 981
Soybean 97
Speciation 679
Specific lipids, fish oil 961
Specific lipids, n-3 fatty acids 961
Specific lipids 961
Spermatozoa 991
Sphingolipid 759
Sphingomyelin 249
Spin probe 457
Sponges 519, 1047
SREBP 885
SRE-mediated gene expression 885
Statin therapy 109
Statins 999, 1113
Stearic acid 509, 589
Stearidonic acid 325
Stearyl-CoA desaturase 509
Stern layer 561
Steroid 35
Steroidal 77
Sterol regulatory element binding protein-1c 197
Sterol 47, 77, 87, 739
Sterols 55
Stigmasterol 241
Storage 671
Stroke-prone spontaneously hypertensive rats 241
Subcutaneous fat 307
Substrate specificity 931
Sucrose-rich diet 427
Sultone 87
Surface active agent 561
Survival 821
Synergism 1113
Synthesis 35, 77

T cells 801
T091317 197
Tear film lipid layer 765
Telmisartan 855
Temporal pattern 263
Tetracosapolyenoic acids 1035
tHODE 463
THP-1 1125
Thromboxane 583
Tilapia 547
TLC blotting 1055
TNF-α 699
γ-Tocopherol 171
γ-tocotrienol 1113
Tocochromanols 97
Tocopherol 163, 637
Tocopherols 97
Tocotrienol 163, 637
Tocotrienols 97
Total hydroxyoctadecadienoic acid 439
Total 7-hydroxycholesterol 439
Total 8-iso-prostaglandin $F_{2\alpha}$ 439
trans 18:1 isomers 123
trans 18:1 509
trans Fatty acid isomers 787
Transesterification 955
Transgenic plant 383
Translocation 229
Triacylglycerol 263, 383, 739, 955
Triacylglycerol-rich lipoproteins 143
Triacylglycerols 999
Triglyceride 679
Trilinolein 885
Trioxilin 491
Triterpene synthases 55
*t*10,*c*12–18:2 835

Ultrasound 451
Ultraviolet 1055
Up scaling 947

Vaccenic acid 787, 1093
Vascular events 999
Very long chain fatty acids 1169
Vioxx 779
Visceral adiposity 427
Visceral fat 307
Visual acuity 117
Vitamin C 463
Vitamin E 97, 463, 637, 1113
Vitamin K 821
Vitamin E biosynthesis 97
White adipose tissue 659, 827

White blood cells 315

X-ray 35

Zooxanthellae 1035